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On December 11, 2005, the 2006 MeSH terms  
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\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05  
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110329 LIGAND  
59184 CONSENSUS  
L1 850 LIGAND (P) CONSENSUS

=> s 11(p)peptide#  
412000 PEPTIDE#  
L2 172 L1(P)PEPTIDE#

=> s 12(p) receptor#  
768251 RECEPTOR#  
L3 93 L2(P) RECEPTOR#

=> d 1-93 ti so

L3 ANSWER 1 OF 93 MEDLINE on STN  
 TI Phosphopeptide ligands of the SHP-1 N-SH2 domain: effects on binding and stimulation of phosphatase activity.  
 SO ChemMedChem, (2006 Aug) Vol. 1, No. 8, pp. 869-77.  
 Journal code: 101259013. ISSN: 1860-7179.

L3 ANSWER 2 OF 93 MEDLINE on STN  
 TI Overview of the primary structure, tissue-distribution, and functions of tachykinins and their receptors.  
 SO Current drug targets, (2006 Aug) Vol. 7, No. 8, pp. 963-74. Ref: 171  
 Journal code: 100960531. ISSN: 1389-4501.

L3 ANSWER 3 OF 93 MEDLINE on STN  
 TI The three-dimensional structure of the N-terminal domain of corticotropin-releasing factor receptors: sushi domains and the B1 family of G protein-coupled receptors.  
 SO Annals of the New York Academy of Sciences, (2006 Jul) Vol. 1070, pp. 105-19.  
 Journal code: 7506858. ISSN: 0077-8923.

L3 ANSWER 4 OF 93 MEDLINE on STN  
 TI Structural insight into the binding diversity between the human Nck2 SH3 domains and proline-rich proteins.  
 SO Biochemistry, (2006 Jun 13) Vol. 45, No. 23, pp. 7171-84.  
 Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 5 OF 93 MEDLINE on STN  
 TI NFAT regulates calcium-sensing receptor-mediated TNF production.  
 SO American journal of physiology. Renal physiology, (2006 May) Vol. 290, No. 5, pp. F1110-7. Electronic Publication: 2005-12-27.  
 Journal code: 100901990. ISSN: 0363-6127.

L3 ANSWER 6 OF 93 MEDLINE on STN  
 TI Phage display reveals multiple contact sites between FhuA, an outer membrane receptor of Escherichia coli, and TonB.  
 SO Journal of molecular biology, (2006 Mar 17) Vol. 357, No. 1, pp. 236-51.  
 Electronic Publication: 2005-12-27.  
 Journal code: 2985088R. ISSN: 0022-2836.

L3 ANSWER 7 OF 93 MEDLINE on STN  
 TI Survey of functional activities of alpha-fetoprotein derived growth inhibitory peptides: review and prospects.  
 SO Current protein & peptide science, (2006 Feb) Vol. 7, No. 1, pp. 73-100.  
 Ref: 112  
 Journal code: 100960529. ISSN: 1389-2037.

L3 ANSWER 8 OF 93 MEDLINE on STN  
 TI Interaction with PDZK1 is required for expression of organic anion transporting protein 1A1 on the hepatocyte surface.

SO The Journal of biological chemistry, (2005 Aug 26) Vol. 280, No. 34, pp. 30143-9. Electronic Publication: 2005-06-30.  
 Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 9 OF 93 MEDLINE on STN  
 TI Rapid immunosuppressive effects of glucocorticoids mediated through Lck and Fyn.  
 SO Blood, (2005 Sep 1) Vol. 106, No. 5, pp. 1703-10. Electronic Publication: 2005-05-17.  
 Journal code: 7603509. ISSN: 0006-4971.

L3 ANSWER 10 OF 93 MEDLINE on STN  
 TI Internalization and trafficking of guanylyl cyclase/natriuretic peptide receptor-A.  
 SO Peptides, (2005 Jun) Vol. 26, No. 6, pp. 985-1000. Electronic Publication: 2005-04-15. Ref: 129  
 Journal code: 8008690. ISSN: 0196-9781.

L3 ANSWER 11 OF 93 MEDLINE on STN  
 TI Internalization and trafficking of guanylyl (guanylate) cyclase/natriuretic peptide receptor A is regulated by an acidic tyrosine-based cytoplasmic motif GDAY.  
 SO The Biochemical journal, (2005 May 15) Vol. 388, No. Pt 1, pp. 103-13.  
 Journal code: 2984726R. E-ISSN: 1470-8728.

L3 ANSWER 12 OF 93 MEDLINE on STN  
 TI N-ethylmaleimide-sensitive factor is required for the synaptic incorporation and removal of AMPA receptors during cerebellar long-term depression.  
 SO Proceedings of the National Academy of Sciences of the United States of America, (2004 Dec 28) Vol. 101, No. 52, pp. 18212-6. Electronic Publication: 2004-12-17.  
 Journal code: 7505876. ISSN: 0027-8424.

L3 ANSWER 13 OF 93 MEDLINE on STN  
 TI Monitoring ligand-mediated nuclear receptor-coregulator interactions by noncovalent mass spectrometry.  
 SO European journal of biochemistry / FEBS, (2004 Dec) Vol. 271, No. 23-24, pp. 4958-67.  
 Journal code: 0107600. ISSN: 0014-2956.

L3 ANSWER 14 OF 93 MEDLINE on STN  
 TI Tachykinin and tachykinin receptor of an ascidian, Ciona intestinalis: evolutionary origin of the vertebrate tachykinin family.  
 SO The Journal of biological chemistry, (2004 Dec 17) Vol. 279, No. 51, pp. 53798-805. Electronic Publication: 2004-10-12.  
 Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 15 OF 93 MEDLINE on STN  
 TI Novel peptide ligands for integrin alpha 4 beta 1 overexpressed in cancer

- cells.  
SO Molecular cancer therapeutics, (2004 Oct)  
Vol. 3, No. 10, pp. 1329-34.  
Journal code: 101132535. ISSN: 1535-7163.
- L3 ANSWER 16 OF 93 MEDLINE on STN  
TI Cutting edge: 1,25-dihydroxyvitamin D3 is  
a direct inducer of  
antimicrobial peptide gene expression.  
SO Journal of immunology (Baltimore, Md. :  
1950), (2004 Sep 1) Vol. 173, No.  
5, pp. 2909-12.  
Journal code: 2985117R. ISSN: 0022-1767.
- L3 ANSWER 17 OF 93 MEDLINE on STN  
TI Solution structure and backbone dynamics  
of the non-receptor  
protein-tyrosine kinase-6 Src homology 2  
domain.  
SO The Journal of biological chemistry,  
(2004 Jul 9) Vol. 279, No. 28, pp.  
29700-8. Electronic Publication: 2004-  
03-31.  
Journal code: 2985121R. ISSN: 0021-9258.
- L3 ANSWER 18 OF 93 MEDLINE on STN  
TI RELIC--a bioinformatics server for  
combinatorial peptide analysis and  
identification of protein-ligand  
interaction sites.  
SO Proteomics, (2004 May) Vol. 4, No. 5, pp.  
1439-60.  
Journal code: 101092707. ISSN: 1615-9853.
- L3 ANSWER 19 OF 93 MEDLINE on STN  
TI Ligand-induced recruitment of Na<sup>+</sup>/H<sup>+</sup>-  
exchanger regulatory factor to the  
PDGF (platelet-derived growth factor)  
receptor regulates actin  
cytoskeleton reorganization by PDGF.  
SO The Biochemical journal, (2003 Dec 1)  
Vol. 376, No. Pt 2, pp. 505-10.  
Journal code: 2984726R. E-ISSN: 1470-  
8728.
- L3 ANSWER 20 OF 93 MEDLINE on STN  
TI Pharmacologically active spider peptide  
toxins.  
SO Cellular and molecular life sciences :  
CMLS, (2003 Nov) Vol. 60, No. 11,  
pp. 2409-26. Ref: 123  
Journal code: 9705402. ISSN: 1420-682X.
- L3 ANSWER 21 OF 93 MEDLINE on STN  
TI Transcriptional regulation of the CRLR  
gene in human microvascular  
endothelial cells by hypoxia.  
SO The FASEB journal : official publication  
of the Federation of American  
Societies for Experimental Biology, (2003  
Aug) Vol. 17, No. 11, pp.  
1499-501. Electronic Publication: 2003-  
06-17.  
Journal code: 8804484. E-ISSN: 1530-6860.
- L3 ANSWER 22 OF 93 MEDLINE on STN  
TI Development of a versatile platform for  
nuclear receptor screening using  
AlphaScreen.  
SO Journal of biomolecular screening : the  
official journal of the Society  
for Biomolecular Screening, (2003 Apr)  
Vol. 8, No. 2, pp. 191-7.  
Journal code: 9612112. ISSN: 1087-0571.
- L3 ANSWER 23 OF 93 MEDLINE on STN  
TI Activation of bradykinin B1 receptor by  
ACE inhibitors.  
SO International immunopharmacology, (2002  
Dec) Vol. 2, No. 13-14, pp.  
1787-93. Ref: 45  
Journal code: 100965259. ISSN: 1567-5769.
- L3 ANSWER 24 OF 93 MEDLINE on STN  
TI Dendritic cell gene therapy.  
SO Surgical oncology clinics of North  
America, (2002 Jul) Vol. 11, No. 3, pp.  
645-60. Ref: 53  
Journal code: 9211789. ISSN: 1055-3207.
- L3 ANSWER 25 OF 93 MEDLINE on STN  
TI Specific inhibition of P-selectin-  
mediated cell adhesion by phage  
display-derived peptide antagonists.  
SO Blood, (2002 Nov 15) Vol. 100, No. 10,  
pp. 3570-7. Electronic  
Publication: 2002-07-05.  
Journal code: 7603509. ISSN: 0006-4971.
- L3 ANSWER 26 OF 93 MEDLINE on STN  
TI Identification of the bacteria-binding  
peptide domain on salivary  
agglutinin (gp-340/DMBT1), a member of  
the scavenger receptor  
cysteine-rich superfamily.  
SO The Journal of biological chemistry,  
(2002 Aug 30) Vol. 277, No. 35, pp.  
32109-15. Electronic Publication: 2002-  
06-05.  
Journal code: 2985121R. ISSN: 0021-9258.
- L3 ANSWER 27 OF 93 MEDLINE on STN  
TI Interaction of transcriptional  
intermediary factor 2 nuclear receptor box  
peptides with the coactivator binding  
site of estrogen receptor alpha.  
SO The Journal of biological chemistry,  
(2002 Jun 14) Vol. 277, No. 24, pp.  
21862-8. Electronic Publication: 2002-  
04-05.  
Journal code: 2985121R. ISSN: 0021-9258.
- L3 ANSWER 28 OF 93 MEDLINE on STN  
TI Novel mode of action of angiotensin I  
converting enzyme inhibitors: direct  
activation of bradykinin B1 receptor.  
SO The Journal of biological chemistry,  
(2002 May 10) Vol. 277, No. 19, pp.  
16847-52. Electronic Publication: 2002-  
03-05.  
Journal code: 2985121R. ISSN: 0021-9258.
- L3 ANSWER 29 OF 93 MEDLINE on STN  
TI Intracellular trafficking and metabolic  
turnover of ligand-bound guanylyl  
cyclase/atrial natriuretic peptide  
receptor-A into subcellular  
compartments.  
SO Molecular and cellular biochemistry,  
(2002 Jan) Vol. 230, No. 1-2, pp.  
61-72. Ref: 89  
Journal code: 0364456. ISSN: 0300-8177.

L3 ANSWER 30 OF 93 MEDLINE on STN  
TI A "three-pronged" binding mechanism for  
the SAP/SH2D1A SH2 domain:  
structural basis and relevance to the XLP  
syndrome.  
SO The EMBO journal, (2002 Feb 1) Vol. 21,  
No. 3, pp. 314-23.  
Journal code: 8208664. ISSN: 0261-4189.

L3 ANSWER 31 OF 93 MEDLINE on STN  
TI Selection of peptide ligands binding to  
the basolateral cell surface of  
proximal convoluted tubules.  
SO Kidney international, (2002 Jan) Vol. 61,  
No. 1, pp. 342-8.  
Journal code: 0323470. ISSN: 0085-2538.

L3 ANSWER 32 OF 93 MEDLINE on STN  
TI Epitope mapping using the X-ray  
crystallographic structure of complement  
receptor type 2 (CR2)/CD21:  
identification of a highly inhibitory  
monoclonal antibody that directly  
recognizes the CR2-C3d interface.  
SO Journal of immunology (Baltimore, Md. :  
1950), (2001 Nov 15) Vol. 167, No.  
10, pp. 5758-66.  
Journal code: 2985117R. ISSN: 0022-1767.

L3 ANSWER 33 OF 93 MEDLINE on STN  
TI Amphoterin includes a sequence motif  
which is homologous to the  
Alzheimer's beta-amyloid peptide (Abeta),  
forms amyloid fibrils in vitro,  
and binds avidly to Abeta.  
SO Biochemistry, (2001 Aug 28) Vol. 40, No.  
34, pp. 10032-7.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 34 OF 93 MEDLINE on STN  
TI Transcriptional hyperactivity of human  
progesterone receptors is coupled  
to their ligand-dependent down-regulation  
by mitogen-activated protein  
kinase-dependent phosphorylation of  
serine 294.  
SO Molecular and cellular biology, (2001  
Sep) Vol. 21, No. 18, pp. 6122-31.  
Journal code: 8109087. ISSN: 0270-7306.

L3 ANSWER 35 OF 93 MEDLINE on STN  
TI Conformational dependence of collagenase  
(matrix metalloproteinase-1)  
up-regulation by elastin peptides in  
cultured fibroblasts.  
SO The Journal of biological chemistry,  
(2001 Feb 16) Vol. 276, No. 7, pp.  
5222-7. Electronic Publication: 2000-11-  
17.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 36 OF 93 MEDLINE on STN  
TI Selection of peptides and synthesis of  
pentameric peptabody molecules  
reacting specifically with ErbB-2  
receptor.  
SO International journal of cancer. Journal  
international du cancer, (2001  
Jun 1) Vol. 92, No. 5, pp. 748-55.  
Journal code: 0042124. ISSN: 0020-7136.

L3 ANSWER 37 OF 93 MEDLINE on STN  
TI Comparative molecular modeling on 3D-  
structure of opioid receptor-like 1  
receptor.  
SO Acta pharmacologica Sinica, (2000 Jun)  
Vol. 21, No. 6, pp. 529-35.  
Journal code: 100956087. ISSN: 1671-4083.

L3 ANSWER 38 OF 93 MEDLINE on STN  
TI A single internalization signal from the  
di-leucine family is critical for  
constitutive endocytosis of the type II  
TGF-beta receptor.  
SO Journal of cell science, (2001 May) Vol.  
114, No. Pt 9, pp. 1777-86.  
Journal code: 0052457. ISSN: 0021-9533.

L3 ANSWER 39 OF 93 MEDLINE on STN  
TI Ion channel activation by SPC3, a peptide  
derived from the HIV-1 gp120 V3  
loop.  
SO The journal of peptide research :  
official journal of the American Peptide  
Society, (2000 Dec) Vol. 56, No. 6, pp.  
427-37.  
Journal code: 9707067. ISSN: 1397-002X.

L3 ANSWER 40 OF 93 MEDLINE on STN  
TI VEINCTR-N, an immunogenic epitope of Fas  
(CD95/Apo-I), and soluble Fas  
enhance T-cell apoptosis in vitro. II.  
Functional analysis and possible  
implications in HIV-1 disease.  
SO Molecular medicine (Cambridge, Mass.),  
(2000 Jun) Vol. 6, No. 6, pp.  
509-26.  
Journal code: 9501023. ISSN: 1076-1551.

L3 ANSWER 41 OF 93 MEDLINE on STN  
TI Backbone dynamics of the C-terminal SH2  
domain of the p85alpha subunit of  
phosphoinositide 3-kinase: effect of  
phosphotyrosine-peptide binding and  
characterization of slow conformational  
exchange processes.  
SO Journal of molecular biology, (2000 Jun  
9) Vol. 299, No. 3, pp. 771-88.  
Journal code: 2985088R. ISSN: 0022-2836.

L3 ANSWER 42 OF 93 MEDLINE on STN  
TI Role of asparagine-linked  
oligosaccharides in the function of the rat  
PTH/PTHrP receptor.  
SO Biochemistry, (2000 May 30) Vol. 39, No.  
21, pp. 6514-20.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 43 OF 93 MEDLINE on STN  
TI Solution structure of Eps15's third EH  
domain reveals coincident Phe-Trp  
and Asn-Pro-Phe binding sites.  
SO Biochemistry, (2000 Apr 18) Vol. 39, No.  
15, pp. 4309-19.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 44 OF 93 MEDLINE on STN  
TI Consensus bioactive conformation of  
cyclic GnRH antagonists defined by NMR  
and molecular modeling.

SO Journal of medicinal chemistry, (2000 Mar 9) Vol. 43, No. 5, pp. 819-28.  
Journal code: 9716531. ISSN: 0022-2623.

L3 ANSWER 45 OF 93 MEDLINE on STN  
TI The nematode leucine-rich repeat-containing, G protein-coupled receptor (LGR) protein homologous to vertebrate gonadotropin and thyrotropin receptors is constitutively active in mammalian cells.  
SO Molecular endocrinology (Baltimore, Md.), (2000 Feb) Vol. 14, No. 2, pp. 272-84.  
Journal code: 8801431. ISSN: 0888-8809.

L3 ANSWER 46 OF 93 MEDLINE on STN  
TI Ligand binding-dependent limited proteolysis of the atrial natriuretic peptide receptor: juxtamembrane hinge structure essential for transmembrane signal transduction.  
SO Biochemistry, (1999 Dec 21) Vol. 38, No. 51, pp. 16941-51.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 47 OF 93 MEDLINE on STN  
TI Identification of a heparin-binding region of rat thyroglobulin involved in megalin binding.  
SO The Journal of biological chemistry, (1999 Oct 22) Vol. 274, No. 43, pp. 30377-86.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 48 OF 93 MEDLINE on STN  
TI Identification of a 14-3-3 binding sequence in the common beta chain of the granulocyte-macrophage colony-stimulating factor (GM-CSF), interleukin-3 (IL-3), and IL-5 receptors that is serine-phosphorylated by GM-CSF.  
SO Blood, (1999 Sep 15) Vol. 94, No. 6, pp. 1933-42.  
Journal code: 7603509. ISSN: 0006-4971.

L3 ANSWER 49 OF 93 MEDLINE on STN  
TI Structure of human histocompatibility leukocyte antigen (HLA)-Cw4, a ligand for the KIR2D natural killer cell inhibitory receptor.  
SO The Journal of experimental medicine, (1999 Jul 5) Vol. 190, No. 1, pp. 113-23.  
Journal code: 2985109R. ISSN: 0022-1007.

L3 ANSWER 50 OF 93 MEDLINE on STN  
TI Definition of an unexpected ligand recognition motif for alphav beta6 integrin.  
SO The Journal of biological chemistry, (1999 Jan 22) Vol. 274, No. 4, pp. 1979-85.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 51 OF 93 MEDLINE on STN  
TI A single amino acid substitution in a WW-like domain of diverse members of the PDGF receptor subfamily of tyrosine kinases causes constitutive

receptor activation.

SO The EMBO journal, (1998 Dec 1) Vol. 17, No. 23, pp. 6912-23.  
Journal code: 8208664. ISSN: 0261-4189.

L3 ANSWER 52 OF 93 MEDLINE on STN  
TI In vitro selection of peptides acting at a new site of NMDA glutamate receptors.

SO Nature biotechnology, (1996 Aug) Vol. 14, No. 8, pp. 986-91.  
Journal code: 9604648. ISSN: 1087-0156.

L3 ANSWER 53 OF 93 MEDLINE on STN  
TI Hyaluronan-dependent cell migration can be blocked by a CD44 cytoplasmic domain peptide containing a phosphoserine at position 325.  
SO Journal of cell science, (1998 Jun) Vol. 111 ( Pt 11), pp. 1595-601.  
Journal code: 0052457. ISSN: 0021-9533.

L3 ANSWER 54 OF 93 MEDLINE on STN  
TI Solution structure of the C-terminal SH2 domain of the p85 alpha regulatory subunit of phosphoinositide 3-kinase.  
SO Journal of molecular biology, (1998 Feb 20) Vol. 276, No. 2, pp. 461-78.  
Journal code: 2985088R. ISSN: 0022-2836.

L3 ANSWER 55 OF 93 MEDLINE on STN  
TI Epitope mapping of a C5a neutralizing mAb using a combined approach of phage display, synthetic peptides and site-directed mutagenesis.  
SO Immunotechnology : an international journal of immunological engineering, (1996 Jun) Vol. 2, No. 2, pp. 115-26.  
Journal code: 9511979. ISSN: 1380-2933.

L3 ANSWER 56 OF 93 MEDLINE on STN  
TI The uroguanylin gene (Guca1b) is linked to guanylin (Guca2) on mouse chromosome 4.  
SO Genomics, (1997 Oct 15) Vol. 45, No. 2, pp. 348-54.  
Journal code: 8800135. ISSN: 0888-7543.

L3 ANSWER 57 OF 93 MEDLINE on STN  
TI An RGD to LDV motif conversion within the disintegrin kistrin generates an integrin antagonist that retains potency but exhibits altered receptor specificity. Evidence for a functional equivalence of acidic integrin-binding motifs.  
SO The Journal of biological chemistry, (1997 Aug 22) Vol. 272, No. 34, pp. 21341-8.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 58 OF 93 MEDLINE on STN  
TI The alpha-bungarotoxin binding site on the nicotinic acetylcholine receptor: analysis using a phage-epitope library.  
SO Proceedings of the National Academy of Sciences of the United States of America, (1997 Jun 10) Vol. 94, No. 12, pp. 6054-8.

Journal code: 7505876. ISSN: 0027-8424.

L3 ANSWER 59 OF 93 MEDLINE on STN  
TI Identification of cytoplasmic motifs required for short prolactin receptor internalization.  
SO The Journal of biological chemistry, (1997 Mar 14) Vol. 272, No. 11, pp. 7062-8.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 60 OF 93 MEDLINE on STN  
TI The seven-span transmembrane receptor CD97 has a cellular ligand (CD55, DAF).  
SO The Journal of experimental medicine, (1996 Sep 1) Vol. 184, No. 3, pp. 1185-9.  
Journal code: 2985109R. ISSN: 0022-1007.

L3 ANSWER 61 OF 93 MEDLINE on STN  
TI Determination of affinities for lck SH2 binding peptides using a sensitive fluorescence assay: comparison between the pYEEIP and pYQPP consensus sequences reveals context-dependent binding specificity.  
SO Biochemistry, (1996 Dec 24) Vol. 35, No. 51, pp. 16746-52.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 62 OF 93 MEDLINE on STN  
TI Isolation of a cDNA encoding a novel leucine-rich repeat motif from Sorghum bicolor inoculated with fungi.  
SO Molecular plant-microbe interactions : MPMI, (1996 Dec) Vol. 9, No. 9, pp. 819-25.  
Journal code: 9107902. ISSN: 0894-0282.

L3 ANSWER 63 OF 93 MEDLINE on STN  
TI Solution structure and peptide binding of the SH3 domain from human Fyn.  
SO Structure (London, England : 1993), (1996 Jun 15) Vol. 4, No. 6, pp. 705-14.  
Journal code: 101087697. ISSN: 0969-2126.

L3 ANSWER 64 OF 93 MEDLINE on STN  
TI Analysis of the glycosylation patterns of the extracellular domain of the epidermal growth factor receptor expressed in Chinese hamster ovary fibroblasts.  
SO Growth factors (Chur, Switzerland), (1996) Vol. 13, No. 1-2, pp. 121-32.  
Journal code: 9000468. ISSN: 0897-7194.

L3 ANSWER 65 OF 93 MEDLINE on STN  
TI Site-directed estrogen receptor antibodies stabilize 4-hydroxytamoxifen ligand, but not estradiol, and indicate ligand-specific differences in the recognition of estrogen response element DNA in vitro.  
SO Steroids, (1996 May) Vol. 61, No. 5, pp. 278-89.  
Journal code: 0404536. ISSN: 0039-128X.

L3 ANSWER 66 OF 93 MEDLINE on STN

TI Cloning and sequencing of human gp330, a Ca(2+)-binding receptor with potential intracellular signaling properties.  
SO European journal of biochemistry / FEBS, (1996 Jul 1) Vol. 239, No. 1, pp. 132-7.

Journal code: 0107600. ISSN: 0014-2956.

L3 ANSWER 67 OF 93 MEDLINE on STN  
TI Small peptides as potent mimetics of the protein hormone erythropoietin.  
SO Science, (1996 Jul 26) Vol. 273, No. 5274, pp. 458-64.  
Journal code: 0404511. ISSN: 0036-8075.

L3 ANSWER 68 OF 93 MEDLINE on STN  
TI The Epstein-Barr virus-binding site on CD21 is involved in CD23 binding and interleukin-4-induced IgE and IgG4 production by human B cells.  
SO Immunology, (1996 May) Vol. 88, No. 1, pp. 35-9.  
Journal code: 0374672. ISSN: 0019-2805.

L3 ANSWER 69 OF 93 MEDLINE on STN  
TI Structure of the bradykinin B2 receptors' amino terminus.  
SO Biochemistry, (1996 Jun 11) Vol. 35, No. 23, pp. 7514-9.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 70 OF 93 MEDLINE on STN  
TI Mutagenesis of N-glycosylation sites in the human vasoactive intestinal peptide 1 receptor. Evidence that asparagine 58 or 69 is crucial for correct delivery of the receptor to plasma membrane.  
SO Biochemistry, (1996 Feb 13) Vol. 35, No. 6, pp. 1745-52.  
Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 71 OF 93 MEDLINE on STN  
TI Peptide growth factor cross-talk with the estrogen receptor requires the A/B domain and occurs independently of protein kinase C or estradiol.  
SO Endocrinology, (1996 May) Vol. 137, No. 5, pp. 1735-44.  
Journal code: 0375040. ISSN: 0013-7227.

L3 ANSWER 72 OF 93 MEDLINE on STN  
TI A novel cobra venom metalloproteinase, mocarhagin, cleaves a 10-amino acid peptide from the mature N terminus of P-selectin glycoprotein ligand receptor, PSGL-1, and abolishes P-selectin binding.  
SO The Journal of biological chemistry, (1995 Nov 10) Vol. 270, No. 45, pp. 26734-7.  
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 73 OF 93 MEDLINE on STN  
TI Protein ligands of the human adenovirus type 2 outer capsid identified by biopanning of a phage-displayed peptide library on separate domains of wild-type and mutant penton capsomers.

SO The EMBO journal, (1995 Oct 2) Vol. 14, No. 19, pp. 4714-27.

Journal code: 8208664. ISSN: 0261-4189.

L3 ANSWER 74 OF 93 MEDLINE on STN  
TI Determination of receptor-ligand kinetic and equilibrium binding constants using surface plasmon resonance: application to the lck SH2 domain and phosphotyrosyl peptides.

SO Journal of medicinal chemistry, (1995 Apr 14) Vol. 38, No. 8, pp. 1309-18.

Journal code: 9716531. ISSN: 0022-2623.

L3 ANSWER 75 OF 93 MEDLINE on STN  
TI Characterization of a complement receptor 2 (CR2, CD21) ligand binding site for C3. An initial model of ligand interaction with two linked short consensus repeat modules.

SO Journal of immunology (Baltimore, Md. : 1950), (1995 May 15) Vol. 154, No. 10, pp. 5426-35.

Journal code: 2985117R. ISSN: 0022-1767.

L3 ANSWER 76 OF 93 MEDLINE on STN  
TI Identification of phosphorylation sites unique to the B form of human progesterone receptor. In vitro phosphorylation by casein kinase II.

SO The Journal of biological chemistry, (1994 Dec 9) Vol. 269, No. 49, pp. 31034-40.

Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 77 OF 93 MEDLINE on STN  
TI Complete cloning and sequencing of rat gp330/"megalin," a distinctive member of the low density lipoprotein receptor gene family.

SO Proceedings of the National Academy of Sciences of the United States of America, (1994 Oct 11) Vol. 91, No. 21, pp. 9725-9.

Journal code: 7505876. ISSN: 0027-8424.

L3 ANSWER 78 OF 93 MEDLINE on STN  
TI cDNA cloning of a G-protein-coupled receptor expressed in rat spinal cord and brain related to chemokine receptors.

SO Neuroscience letters, (1994 Mar 14) Vol. 169, No. 1-2, pp. 85-9.

Journal code: 7600130. ISSN: 0304-3940.

L3 ANSWER 79 OF 93 MEDLINE on STN  
TI Fibronectin receptors from gram-positive bacteria: comparison of active sites.

SO Biochemistry, (1994 May 24) Vol. 33, No. 20, pp. 6086-92.

Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 80 OF 93 MEDLINE on STN  
TI FGF3 from Xenopus laevis.

SO The EMBO journal, (1993 Nov) Vol. 12, No. 11, pp. 4159-68.

Journal code: 8208664. ISSN: 0261-4189.

L3 ANSWER 81 OF 93 MEDLINE on STN  
TI Vitamin D receptor zinc finger region binds to a direct repeat as a dimer

and discriminates the spacing number between each half-site.

SO The Journal of biological chemistry, (1993 Sep 15) Vol. 268, No. 26, pp. 19739-43.

Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 82 OF 93 MEDLINE on STN  
TI Peptide ligands for a sugar-binding protein isolated from a random peptide library.

SO Proceedings of the National Academy of Sciences of the United States of America, (1992 Jun 15) Vol. 89, No. 12, pp. 5393-7.

Journal code: 7505876. ISSN: 0027-8424.

L3 ANSWER 83 OF 93 MEDLINE on STN  
TI Immunoregulatory role of gamma delta T cells.

SO Annals of the New York Academy of Sciences, (1991 Dec 30) Vol. 636, pp. 1-8. Ref: 35

Journal code: 7506858. ISSN: 0077-8923.

L3 ANSWER 84 OF 93 MEDLINE on STN  
TI Insulin-like growth factors (IGFs) reduce IGF-binding protein-4 (IGFBP-4) concentration and stimulate IGFBP-3 independently of IGF receptors in human fibroblasts and epidermal cells.

SO Endocrinology, (1992 Feb) Vol. 130, No. 2, pp. 985-93.

Journal code: 0375040. ISSN: 0013-7227.

L3 ANSWER 85 OF 93 MEDLINE on STN  
TI Dermorphin and deltorphin I reveal similarities within ligand-binding domains of mu- and delta-opioid receptors and an additional address subsite on the delta-receptor.

SO Biochemical and biophysical research communications, (1991 Sep 30) Vol. 179, No. 3, pp. 1161-8.

Journal code: 0372516. ISSN: 0006-291X.

L3 ANSWER 86 OF 93 MEDLINE on STN  
TI Inositol 1,4,5-trisphosphate receptor is phosphorylated by cyclic AMP-dependent protein kinase at serines 1755 and 1589.

SO Biochemical and biophysical research communications, (1991 Feb 28) Vol. 175, No. 1, pp. 192-8.

Journal code: 0372516. ISSN: 0006-291X.

L3 ANSWER 87 OF 93 MEDLINE on STN  
TI Cyclic AMP-dependent protein kinase decreases GABAA receptor current in mouse spinal neurons.

SO Neuron, (1990 Dec) Vol. 5, No. 6, pp. 789-96.

Journal code: 8809320. ISSN: 0896-6273.

L3 ANSWER 88 OF 93 MEDLINE on STN  
TI The primary structure of the rat guanylyl cyclase A/atrial natriuretic peptide receptor gene.

SO The Journal of biological chemistry, (1990 Nov 25) Vol. 265, No. 33, pp. 20414-20.

Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 89 OF 93 MEDLINE on STN  
 TI Human platelets and megakaryocytes  
 contain alternately spliced  
 glycoprotein IIb mRNAs.  
 SO The Journal of biological chemistry,  
 (1990 Jun 15) Vol. 265, No. 17, pp.  
 9587-90.  
 Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 90 OF 93 MEDLINE on STN  
 TI Comparative sequence and immunochemical  
 analyses of murine monoclonal  
 anti-morphine antibodies.  
 SO Journal of molecular biology, (1989 Oct  
 20) Vol. 209, No. 4, pp. 763-78.  
 Journal code: 2985088R. ISSN: 0022-2836.

L3 ANSWER 91 OF 93 MEDLINE on STN  
 TI Structure of the canine pancreatic lipase  
 gene.  
 SO The Journal of biological chemistry,  
 (1989 Aug 5) Vol. 264, No. 22, pp.  
 12895-901.  
 Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 92 OF 93 MEDLINE on STN  
 TI Molecular and biochemical  
 characterization of the human trk  
 proto-oncogene.  
 SO Molecular and cellular biology, (1989  
 Jan) Vol. 9, No. 1, pp. 24-33.  
 Journal code: 8109087. ISSN: 0270-7306.

L3 ANSWER 93 OF 93 MEDLINE on STN  
 TI Structure of the human B lymphocyte  
 receptor for C3d and the Epstein-Barr  
 virus and relatedness to other members of  
 the family of C3/C4 binding  
 proteins.  
 SO The Journal of experimental medicine,  
 (1988 Mar 1) Vol. 167, No. 3, pp.  
 1047-66.  
 Journal code: 2985109R. ISSN: 0022-1007.

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 OCT 2006)

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 OCT 2006

L1 850 S LIGAND (P) CONSENSUS  
 L2 172 S L1(P) PEPTIDE#  
 L3 93 S L2(P) RECEPTOR#

=> s 11(p) orphan#  
 4775 ORPHAN#

L4 15 L1(P) ORPHAN#

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L4 ANSWER 1 OF 15 MEDLINE on STN  
 TI Characterization of the DNA-binding  
 properties and the transactivation  
 activity of Schistosoma mansoni nuclear  
 receptor fushi tarazu-factor  
 1alpha (SmFTZ-Fl1alpha).

SO Molecular and biochemical parasitology,  
 (2006 Nov) Vol. 150, No. 1, pp.  
 72-82. Electronic Publication: 2006-07-  
 18.

Journal code: 8006324. ISSN: 0166-6851.

L4 ANSWER 2 OF 15 MEDLINE on STN  
 TI The activation function-1 domain of  
 Nur77/NR4A1 mediates trans-activation,  
 cell specificity, and coactivator  
 recruitment.  
 SO The Journal of biological chemistry,  
 (2002 Sep 6) Vol. 277, No. 36, pp.  
 33001-11. Electronic Publication: 2002-  
 06-24.  
 Journal code: 2985121R. ISSN: 0021-9258.

L4 ANSWER 3 OF 15 MEDLINE on STN  
 TI Glucocorticoid-mediated induction of  
 CYP3A4 is decreased by disruption of  
 a protein: DNA interaction distinct from  
 the pregnane X receptor response  
 element.  
 SO Drug metabolism and disposition: the  
 biological fate of chemicals, (2002  
 Sep) Vol. 30, No. 9, pp. 1029-34.  
 Journal code: 9421550. ISSN: 0090-9556.

L4 ANSWER 4 OF 15 MEDLINE on STN  
 TI Estrogen-related receptor alpha 1  
 actively antagonizes estrogen  
 receptor-regulated transcription in MCF-7  
 mammary cells.  
 SO The Journal of biological chemistry,  
 (2002 Jul 5) Vol. 277, No. 27, pp.  
 24826-34. Electronic Publication: 2002-  
 05-01.  
 Journal code: 2985121R. ISSN: 0021-9258.

L4 ANSWER 5 OF 15 MEDLINE on STN  
 TI The ROR nuclear orphan receptor  
 subfamily: critical regulators of multiple  
 biological processes.  
 SO Progress in nucleic acid research and  
 molecular biology, (2001) Vol. 69,  
 pp. 205-47. Ref: 170  
 Journal code: 0102753. ISSN: 0079-6603.

L4 ANSWER 6 OF 15 MEDLINE on STN  
 TI Role of estrogen receptor ligand and  
 estrogen response element sequence on  
 interaction with chicken ovalbumin  
 upstream promoter transcription factor  
 (COUP-TF).  
 SO The Journal of steroid biochemistry and  
 molecular biology, (1999 Nov) Vol.  
 71, No. 1-2, pp. 1-19.  
 Journal code: 9015483. ISSN: 0960-0760.

L4 ANSWER 7 OF 15 MEDLINE on STN  
 TI Germ cell nuclear factor: an orphan  
 receptor with unexpected properties.  
 SO Journal of molecular medicine (Berlin,  
 Germany), (1998 Nov-Dec) Vol. 76,  
 No. 12, pp. 800-10. Ref: 75  
 Journal code: 9504370. ISSN: 0946-2716.

L4 ANSWER 8 OF 15 MEDLINE on STN  
 TI The orphan nuclear receptor estrogen-  
 related receptor alpha is a

transcriptional regulator of the human  
medium-chain acyl coenzyme A  
dehydrogenase gene.  
SO Molecular and cellular biology, (1997  
Sep) Vol. 17, No. 9, pp. 5400-9.  
Journal code: 8109087. ISSN: 0270-7306.

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L4 ANSWER 9 OF 15 MEDLINE on STN  
TI The nuclear orphan receptors COUP-TF and  
ARP-1 positively regulate the  
trout estrogen receptor gene through  
enhancing autoregulation.  
SO Molecular and cellular biology, (1997  
Sep) Vol. 17, No. 9, pp. 5053-66.  
Journal code: 8109087. ISSN: 0270-7306.

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L4 ANSWER 10 OF 15 MEDLINE on STN  
TI Are nuclear receptors involved in  
pituitary responsiveness to melatonin?  
SO Molecular and cellular endocrinology,  
(1996 Oct 14) Vol. 123, No. 1, pp.  
53-9.  
Journal code: 7500844. ISSN: 0303-7207.

L4 ANSWER 11 OF 15 MEDLINE on STN  
TI Transcriptional repression by the orphan  
steroid receptor RVR/Rev-erb beta  
is dependent on the signature motif and  
helix 5 in the E region:  
functional evidence for a biological role  
of RVR in myogenesis.  
SO Nucleic acids research, (1996 Sep 15)  
Vol. 24, No. 18, pp. 3481-9.  
Journal code: 0411011. ISSN: 0305-1048.

L4 ANSWER 12 OF 15 MEDLINE on STN  
TI Phylogeny of the steroid receptor  
superfamily.  
SO Molecular phylogenetics and evolution,  
(1994 Sep) Vol. 3, No. 3, pp.  
192-205.  
Journal code: 9304400. ISSN: 1055-7903.

L4 ANSWER 13 OF 15 MEDLINE on STN  
TI A new orphan member of the nuclear  
hormone receptor superfamily closely  
related to Rev-Erb.  
SO Molecular endocrinology (Baltimore, Md.),  
(1994 Aug) Vol. 8, No. 8, pp.  
996-1005.  
Journal code: 8801431. ISSN: 0888-8809.

L4 ANSWER 14 OF 15 MEDLINE on STN  
TI Thyroid hormone receptor functions as  
monomeric ligand-induced  
transcription factor on octameric half-  
sites. Consequences also for  
dimerization.  
SO The Journal of biological chemistry,  
(1994 Mar 4) Vol. 269, No. 9, pp.  
6444-9.  
Journal code: 2985121R. ISSN: 0021-9258.

L4 ANSWER 15 OF 15 MEDLINE on STN  
TI A new orphan member of the nuclear  
hormone receptor superfamily that  
interacts with a subset of retinoic acid  
response elements.  
SO Molecular and cellular biology, (1994  
Mar) Vol. 14, No. 3, pp. 1544-52.  
Journal code: 8109087. ISSN: 0270-7306.